

CLAIMS

1. Generator of repetitive sets of spreading sequences for the transmission of symbols by spread spectrum, characterized in that it comprises:

- 5 a) means of counting and forming an address (20) comprising:
- an input (22), receiving the symbols to be processed (S_{ij});
 - 10 - a synchronization input (24), receiving pulses (H_s) synchronized with the symbols;
 - means of counting the number of received symbols and forming an address (AB), this address comprising a first part (A) composed of a number q of bits, where q is the number of bits in each symbol, and a second part (B) composed of a number r of bits where $r = \log_2 S$, and where S denotes the number of sequences in a set of sequences, the address (AB) thus comprising a
 - 15 number p of bits where $p = q + \log_2 S$;
 - 20 - an output (26) on which this address (AB) can be collected, for each input of a symbol (S_{ij}) applied to the means (20).
- b) a sequences table (30) comprising a number L of
- 25 blocks (where $L=2^q$), each block memorizing a set of S sequences, this table being addressed by the address output by the counting and addressing means, the first part (A) of the address selecting one set among L and the second
- 30 part (B) selecting one sequence among S in this set.